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SEQUENCE LISTING

<110> Kato, Shigeaki Takeyama, Ken-Ichi Kitanaka, Sachiko

<120> GENE SCREENING METHOD USING NUCLEAR
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Val Leu Arg Ser Leu Ser Asp Ile Pro Gly Pro Ser Thr Leu Ser Phe
35 40 45

Leu Ala Glu Leu Phe Cys Lys Gly Gly Leu Ser Arg Leu His Glu Leu 50 55 60

Gln Val His Gly Ala Ala Arg Tyr Gly Pro Ile Trp Ser Gly Ser Phe 65 70 75 80

Gly Thr Leu Arg Thr Val Tyr Val Ala Asp Pro Thr Leu Val Glu Gln
85 90 95

Leu Leu Arg Gln Glu Ser His Cys Pro Glu Arg Cys Ser Phe Ser Ser

Trp Ala Glu His Arg Arg Arg His Gln Arg Ala Cys Gly Leu Leu Thr 115 120 125

Ala Asp Gly Glu Glu Trp Gln Arg Leu Arg Ser Leu Leu Ala Pro Leu 130 135 140

Leu Leu Arg Pro Gln Ala Ala Gly Tyr Ala Gly Thr Leu Asp Asn 145 150 155 160

Val Val Arg Asp Leu Val Arg Arg Leu Arg Arg Gln Arg Gly Arg Gly
165 170 175

Ser Gly Leu Pro Gly Leu Val Leu Asp Val Ala Gly Glu Phe Tyr Lys
180 185 190

Phe Gly Leu Glu Ser Ile Gly Ala Val Leu Leu Gly Ser Arg Leu Gly 195 200 205

42

Cys Leu Glu Ala Glu Val Pro Pro Asp Thr Glu Thr Phe Ile His Ala 215 220 Val Gly Ser Val Phe Val Ser Thr Leu Leu Thr Met Ala Met Pro Asn 230 235 Trp Leu His His Leu Ile Pro Gly Pro Trp Ala Arg Leu Cys Arg Asp 245 250 Trp Asp Gln Met Phe Ala Phe Ala Gln Arg His Val Glu Leu Arg Glu 265 Gly Glu Ala Ala Met Arg Asn Gln Gly Lys Pro Glu Glu Asp Met Pro 280 285 Ser Gly His His Leu Thr His Phe Leu Phe Arg Glu Lys Val Ser Val 295 Gln Ser Ile Val Gly Asn Val Thr Glu Leu Leu Ala Gly Val Asp 310 315 Thr Val Ser Asn Thr Leu Ser Trp Thr Leu Tyr Glu Leu Ser Arg His 330 325 Pro Asp Val Gln Thr Ala Leu His Ser Glu Ile Thr Ala Gly Thr Arg 345 Gly Ser Cys Ala His Pro His Gly Thr Ala Leu Ser Gln Leu Pro Leu 360 Leu Lys Ala Val Ile Lys Glu Val Leu Arg Leu Tyr Pro Val Val Pro 375 380 Gly Asn Ser Arg Val Pro Asp Arg Asp Ile Arg Val Gly Asn Tyr Val 390 395 Ile Pro Gln Asp Thr Leu Val Ser Leu Cys His Tyr Ala Thr Ser Arg 405 410 Asp Pro Thr Gln Phe Pro Asp Pro Asn Ser Phe Asn Pro Ala Arg Trp Leu Gly Glu Gly Pro Thr Pro His Pro Phe Ala Ser Leu Pro Phe Gly 435 440 445 Phe Gly Lys Arg Ser Cys Ile Gly Arg Arg Leu Ala Glu Leu Glu Leu 455 Gln Met Ala Leu Ser Gln Ile Leu Thr His Phe Glu Val Leu Pro Glu 470 475 Pro Gly Ala Leu Pro Ile Lys Pro Met Thr Arg Thr Val Leu Val Pro 485 490 Glu Arg Ser Ile Asn Leu Gln Phe Val Asp Arg 500 <210> 2 <211> 508 <212> PRT <213> Homo sapiens <400> 2 Met Thr Gln Thr Leu Lys Tyr Ala Ser Arg Val Phe His Arg Val Arg Trp Ala Pro Glu Leu Gly Ala Ser Leu Gly Tyr Arg Glu Tyr His Ser 25 Ala Arg Arg Ser Leu Ala Asp Ile Pro Gly Pro Ser Thr Pro Ser Phe

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Gln Val Gln Gly Ala Ala His Phe Gly Pro Val Trp Leu Ala Ser Phe

Gly Thr Val Arg Thr Val Tyr Val Ala Ala Pro Ala Leu Val Glu Glu

60

75

90

55

Cart a

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cca gag cgc tgt agt ttc tca tca tgg gca gag cac cgt cgc cgc cac Pro Glu Arg Cys Ser Phe Ser Ser Trp Ala Glu His Arg Arg Arg His 105 110 115 120	389											
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ctc cga agt ctt ctg gcc ccg ctc ctc ctc cgg cca caa gca gcc gcg Leu Arg Ser Leu Leu Ala Pro Leu Leu Leu Arg Pro Gln Ala Ala 140 145 150	485											
ggc tat gct gga act ctg gac aac gtg gtc cgt gac ctt gtg cga cga Gly Tyr Ala Gly Thr Leu Asp Asn Val Val Arg Asp Leu Val Arg Arg 155 160 165	533											
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CI Ci 2

		•											
				cgc Arg									677
				ata Ile									725
				atg Met									773
	-	-		tgc Cys	-	-		_	_	_	-	-	821
				ctg Leu 270									869
				gat Asp									917
				gtg Val									965
				gga Gly									1013
				tcc Ser				-	_	-	_		1061
		Thr	Āla	ggg Gly 350	Thr	Arg	Gly	Ser	Cys	Āla			1109
				ctg Leu									1157
				gtg Val									1205
				aac Asn									1253
				act Thr									1301

CALL &

				•										
	aac tct Asn Ser 425													1349
	cca ttt Pro Phe			Pro										1397
	aga cgc Arg Arg	Leu												1445
	acc cat Thr His					ı Pro			Leu					1493
· -	atg acc Met Thr 490	Arg		Leu										1541
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	gga Gly															624
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	ggc Gly															720
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ant a 2

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		gca Ala 275														864
		gcg Ala														912
		atc Ile														960
_		tcc Ser		_				-	_							1008
		gtc Val														1056
		tcc Ser 355														1104
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		ccc Pro														1248
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		ggg Gly 435														1344
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_		atg Met	-	-	_	_										1440

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	ac cta cag ttt ttg gac sn Leu Gln Phe Leu Asp 505		1534
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